

MONTANA STATE AVIATION SYSTEM PLAN
1995 UPDATE
FIELD INSPECTION FORM

AIRPORT:	FRANK WILEY FIELD (MLS)	AIRPORT REFERENCE CODE:	B-II (LG)
CITY:	MILES CITY	APPROACH TYPE:	NPI
CONTACT:	C. R. UGRIN	DATE INVENTORIED:	1-15-96
PHONE #:	232-1354	INSPECTED BY:	RSD

	REQUIRED	ACTUAL	ALP	CONFORM
RUNWAY 4/22 INVENTORY				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	200'	145',150'&250'		NO
PARALLEL TAXIWAY FROM CENTERLINE:	240'	N/A		N/A
AIRCRAFT PARKING FROM CENTERLINE:	250'	N/A		N/A
RUNWAY WIDTH:	75'	100'		✓
RUNWAY LENGTH:	9,260 (1)		5,680'	75%
RUNWAY SAFETY AREA (RSA) WIDTH:	150'	OK		✓
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	500'	OK		✓
PRIMARY / TRANSITION SURFACE PENETRATIONS:	500' W & 7:1	OK		✓
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		OK		✓
OBSTACLE FREE ZONE ANALYSIS:	400' WIDE x 200' BEYOND			✓
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	FLUSH - 3"		NO
PAVEMENT MARKING TYPE:	NPI	NPI		✓
PAVEMENT MARKING CONDITION:		POOR		N/A
RUNWAY 4 END INVENTORY				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			2,627.0	N/A
RUNWAY 22 END INVENTORY				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:01	NONE		✓
RUNWAY END ELEVATION:			2,624.0	N/A
RUNWAY LIGHTING INVENTORY				
DISTANCE FROM PAVEMENT EDGE:	10'	(2) 10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	OK		✓
TYPE:	MIRL - CROUSE HINDS			N/A
CONDITION:		GOOD		N/A
COLOR:	WHITE	WHITE/YELLOW		✓
THRESHOLD 4				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓
THRESHOLD 22				
DISTANCE FROM PAVEMENT EDGE:	10'	0' (3)		OK
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	10'		✓
COLOR:	RED/GREEN	RED/GREEN		✓

COMMENTS:

(1) RW LENGTH OF 5,440' FOR 75% @ 60% LOAD, 7,680' FOR 75% @ 90% LOAD, 6,750' FOR 100% @ 60% LOAD,
AND 9,260' FOR 100% COVERAGE @ 90% MAXIMUM LOAD; FOR SMALL AIRCRAFT - RW LENGTH OF 3,430' FOR 75%, 4,220' FOR 95%,
AND 4,730' FOR 100% COVERAGE, ALP ULTIMATE SHOWN AS 5,680'

(2) RED GLOBES USED FOR RUNWAY PORTION BEHIND DISPLACED THRESHOLD; RUNWAY LIGHT BRAND NOT RECORDED

(3) THRESHOLD LIGHTS DISPLACED TO SIDE OF PAVEMENT EVEN WITH THRESHOLD BAR

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	REQUIRED	ACTUAL	ALP	CONFORM
RUNWAY 12/30 INVENTORY				
DISTANCE TO:				
HOLD LINES FROM CENTERLINE:	200'	188' & 150'		NO
PARALLEL TAXIWAY FROM CENTERLINE:	240'	N/A		N/A
AIRCRAFT PARKING FROM CENTERLINE:	250'	N/A		N/A
RUNWAY WIDTH:	75'	100'		✓
RUNWAY LENGTH:	9,260 (1)		5,602'	75%
RUNWAY SAFETY AREA (RSA) WIDTH:	150'	OK		✓
RUNWAY OBJECT FREE AREA (OFA) WIDTH:	500'	OK		✓
PRIMARY / TRANSITION SURFACE PENETRATIONS:	500' W & 7:1	OK		✓
LONGITUDINAL GRADE - SITE DIST. PROBLEMS:		OK		✓
OBSTACLE FREE ZONE ANALYSIS:	400' WIDE x 200' BEYOND			✓
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	1" - 3"		NO
PAVEMENT MARKING TYPE:	BASIC	BASIC (2)		NO
PAVEMENT MARKING CONDITION:		POOR		N/A
RUNWAY 12 END INVENTORY				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:1	NONE		✓
RUNWAY END ELEVATION:			2,628.0	N/A
RUNWAY 30 END INVENTORY				
SAFETY AREA (RSA) BEYOND RUNWAY END:	300'	OK		✓
OBJECT FREE AREA (OFA) BEYOND RUNWAY END:	300'	OK		✓
APPROACH OBSTRUCTIONS:	20:01	NONE		✓
RUNWAY END ELEVATION:			2,623.0	N/A
RUNWAY LIGHTING INVENTORY				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	OK		✓
TYPE:	MIRL - STAKE MOUNTED CROUSE HINDS			N/A
CONDITION:		GOOD		N/A
COLOR:	WHITE	WHITE		✓
THRESHOLD 12				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	7'		NO
COLOR:	RED/GREEN	RED/GREEN		✓
THRESHOLD 30				
DISTANCE FROM PAVEMENT EDGE:	10'	8'		NO
MAXIMUM DISTANCE BETWEEN LIGHTS:	10'	7'		NO
COLOR:	RED/GREEN	RED/GREEN		✓

COMMENTS:

- (1) RW LENGTH OF 5,440' FOR 75% @ 60% LOAD, 7,680' FOR 75% @ 90% LOAD, 6,750' FOR 100% @ 60% LOAD,
AND 9,260' FOR 100% COVERAGE @ 90% MAXIMUM LOAD; FOR SMALL AIRCRAFT - RW LENGTH OF 3,430' FOR 75%, 4,220' FOR 95%,
AND 4,730' FOR 100% COVERAGE, ALP ULTIMATE SHOWN AS 5,602'
(80% OF PRIMARY RUNWAY LENGTH IS 4,544' - CONFORMS)
- (2) FIXED DISTANCE / AIMING POINTS PRESENT WITH BASIC MARKINGS

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TAXIWAY INVENTORY				
TAXIWAY WIDTH:	35'	50'		✓
TAXIWAY SAFETY AREA WIDTH:	79'	OK		✓
TAXIWAY OBJECT FREE AREA WIDTH:	131'	(1)		NO
DIST. FROM CENTERLINE TO FIXED OR MOVEABLE OBJ.	65.5'	42' (1)		NO
PAVEMENT EDGE LIP HEIGHT (MIN AND MAX):	1.5" - 3"	FLUSH- 1"		NO
PAVEMENT MARKING TYPE:		YELLOW		✓
PAVEMENT MARKING CONDITION:		POOR		N/A
TAXIWAY LIGHTING INVENTORY				
DISTANCE FROM PAVEMENT EDGE:	10'	10'		✓
MAXIMUM DISTANCE BETWEEN LIGHTS:	200'	OK		✓
TYPE:	MIRL - STAKE MOUNTED CROUSE HINDS			N/A
CONDITION:		GOOD		N/A
COLOR:	BLUE	BLUE		✓

MISCELLANEOUS

TYPE OF BEACON:	50' METAL TOWER EAST OF APRON
SIZE OF BEACON:	36"
OTHER LIGHTING AIDS (VASI,PAPI,REIL):	4 & 22 ENDS: SEPCO VASI, GOOD COND (2), 50' FROM PVMT EDGE 4 END: FLASH TECHNOLOGY REILS IN GOOD COND 12 & 30 ENDS: ADB-ALNACO PAPI, NEW COND, 50' FROM PVMT EDGE 30 END: SYLVANIA ELEC. PRODUCTS, REILS, GOOD COND
WINDCONE (CONDITION & COMPLIANCE):	WEST OF APRON, LIGHTED, 35' HIGH IN GOOD COND
SEGMENTED CIRCLE (CONDITION & COMPLIANCE):	METAL PANEL IN GOOD COND
FENCING:	EXCELLENT - CHAIN LINK
SIGNS: (TYPE, CONDITION, PLACEMENT)	TWELVE ADB ALNACO, ALL IN GOOD COND PLACEMENTS OK

COMMENTS:

- (1) NONFRANGIBLE MLS SIGN EAST OF TAXIWAY "A" - IN TAXIWAY OFA
- (2) ONE VASI BOX HAS A CAVED IN SIDE WITH ONLY SONE OF THE LIGHTS WOKING